

# Antenna date sheet

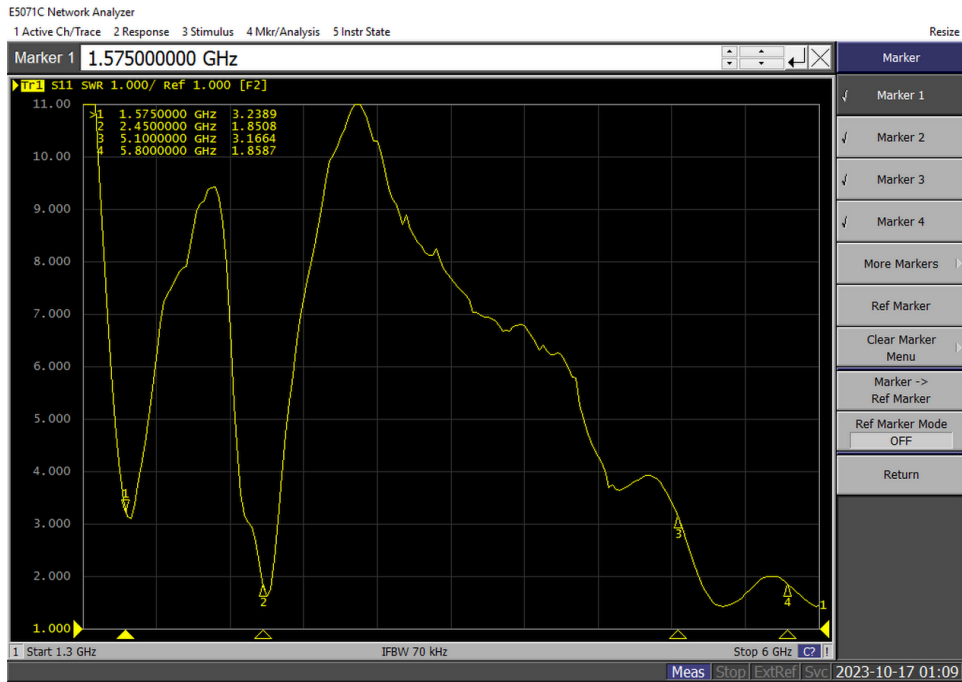
Brand	vivo	Model name	V2318
data	2023/10/17	Software version	PD2323F_EX_A_14.0.2.3.W2 0.V000L1

# 1、Test

## 1.1 VSWR test

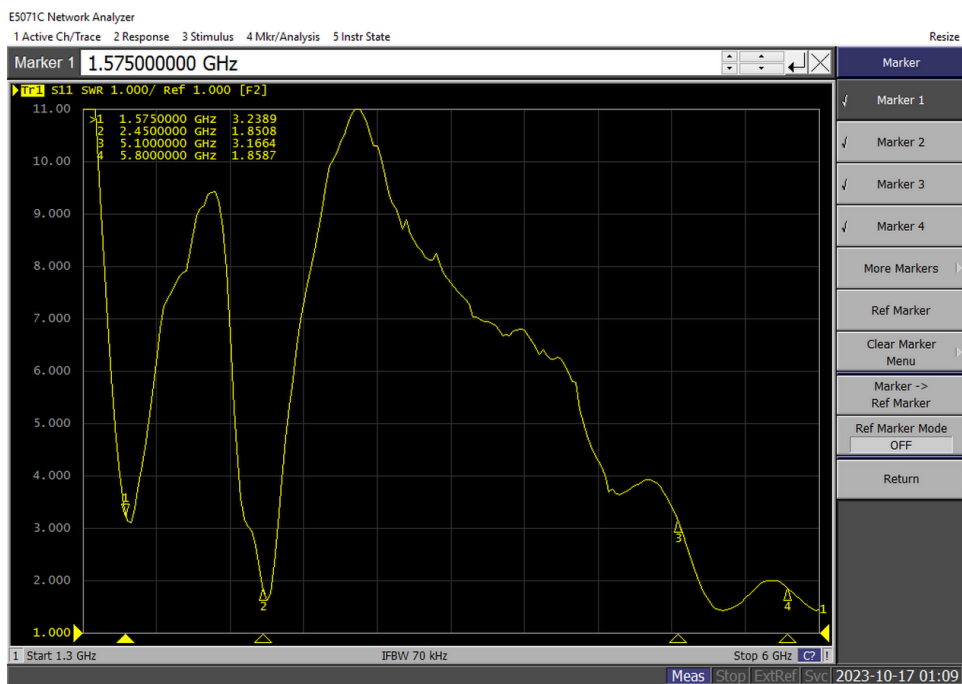
### 1.1.1 VSWR

ANT22#



Picture one: VSWR

ANT25#



Picture two: VSWR

## 1.2 BT/wifi/GPS antenna Gain test

### BT/wifi/GPS antenna

- Model name (P/N) : MT243

-Antenna Type : IFA

-Antenna Manufacturer : Dongguan JINZHOU Plastics Co.Ltd

Manufacturer Address :319# Bubugao Road, Chang'an Town, Dongguan City

Gain value is measured by Zeng Guangjie

Gain Value is measured in active call & Antenna selection.

Antenna gain is measured in ETS Chamber.

### Test Equipment list

Description	Manufacturer	Model	Cal Due
Passive test equipment	Keysight	E5071C	2023/3/10-2024/3/09

### 1.2.1 test set up (ETS)

Please find Ant test setup photos

### 1.2.2 test result

Frequency (MHz)	22#Gain (dBi)	25#Gain (dBi)
1550	-4.59	
1555	-4.42	
1560	-4.34	
1565	-4.31	
1570	-4.33	
1575	-4.39	
1580	-4.46	
1585	-4.44	
1590	-4.49	
1595	-4.60	
1600	-4.61	
1605	-4.72	
1610	-4.75	

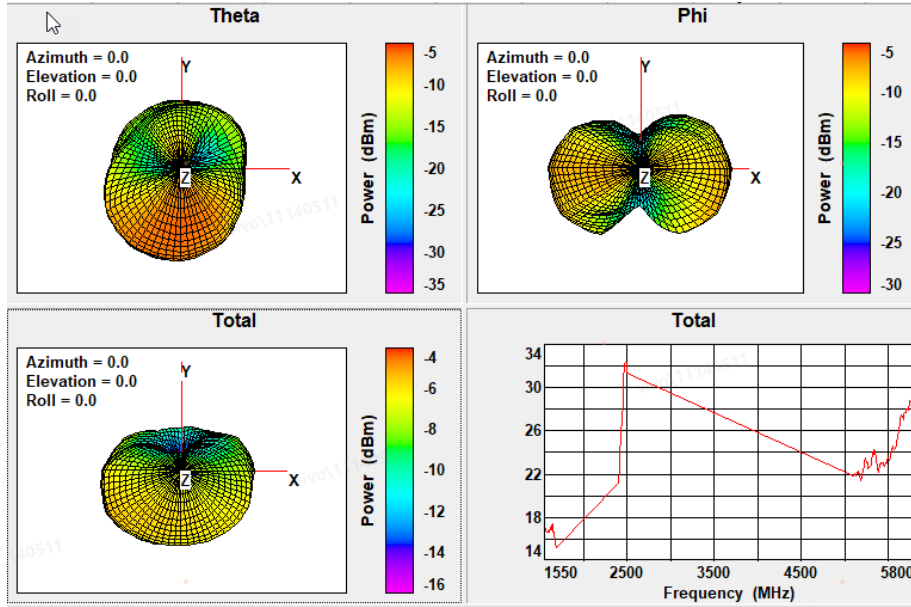
1615	-4.69	
1620	-4.59	
1625	-4.59	
1630	-4.56	
1635	-4.49	
1640	-4.41	
1645	-4.56	
1650	-4.57	
2400	-3.23	0.44
2410	-3.14	0.15
2420	-2.94	-0.29
2430	-2.86	-0.70
2440	-2.82	-0.99
2450	-2.76	-0.94
2460	-2.49	-0.91
2470	-2.30	-1.20
2480	-2.35	-1.58
2490	-2.26	-1.84
2500	-2.37	-2.13
5150	-3.49	-3.78
5160	-3.48	-3.87
5170	-3.42	-3.94
5180	-3.66	-3.70
5190	-3.43	-3.69
5200	-3.47	-3.54
5210	-3.58	-3.32
5220	-3.62	-3.06
5230	-3.44	-2.81
5240	-3.22	-2.43
5250	-3.22	-2.32
5260	-3.41	-2.09
5270	-3.58	-1.93
5280	-3.64	-2.00
5290	-3.64	-1.54
5300	-3.43	-1.60
5310	-3.52	-1.40
5320	-3.63	-1.05
5330	-3.51	-0.77
5340	-3.27	-0.91
5350	-3.38	-0.80
5360	-3.61	-0.87
5370	-3.83	-0.94
5380	-3.92	-0.95
5390	-3.69	-0.96
5400	-3.57	-0.78

5410	-3.50	-0.57
5420	-3.42	-0.56
5430	-3.60	-0.57
5440	-3.49	-0.43
5450	-3.66	-0.43
5460	-3.65	-0.42
5470	-3.49	-0.20
5480	-3.32	-0.25
5490	-3.19	-0.12
5500	-3.00	0.02
5510	-3.03	0.13
5520	-2.79	0.17
5530	-2.77	0.19
5540	-2.66	0.25
5550	-2.40	0.21
5560	-2.42	0.27
5570	-2.37	0.29
5580	-2.46	0.12
5590	-2.42	0.17
5600	-2.42	0.22
5610	-2.48	0.09
5620	-2.34	0.17
5630	-2.09	0.36
5640	-2.00	0.35
5650	-2.09	0.44
5660	-2.17	0.34
5670	-2.48	0.31
5680	-2.40	0.47
5690	-2.24	0.43
5700	-2.03	0.61
5710	-1.78	0.74
5720	-1.89	0.72
5730	-1.70	0.64
5740	-1.47	0.95
5750	-1.26	0.90
5760	-1.12	0.95
5770	-1.04	0.98
5780	-1.21	0.93
5790	-0.95	0.88
5800	-0.77	0.91
5810	-0.57	0.95
5820	-0.45	0.94
5830	-0.36	1.01
5840	-0.48	0.93
5850	-0.40	1.00

1.2.3 antenna radiation pattern

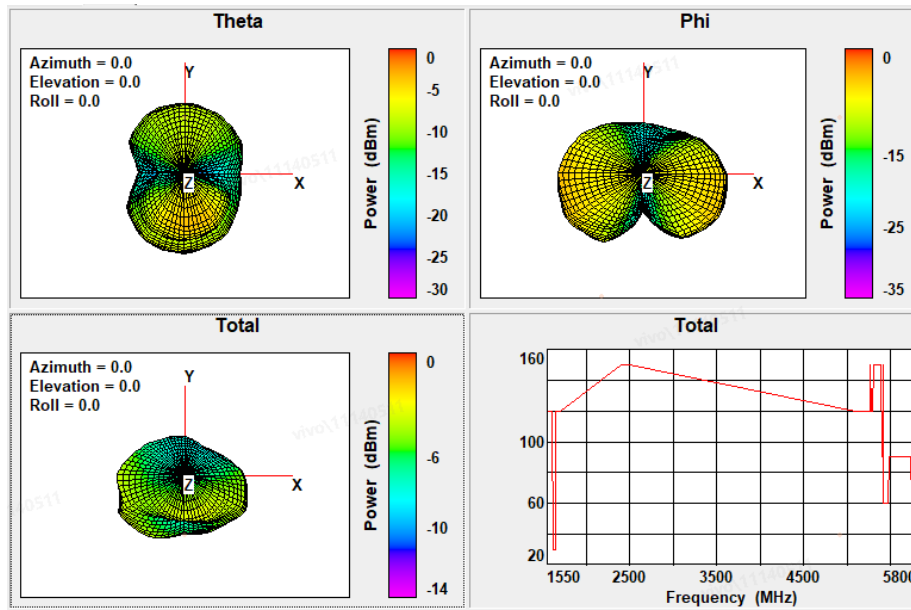
GPS 1575MHz:

22#

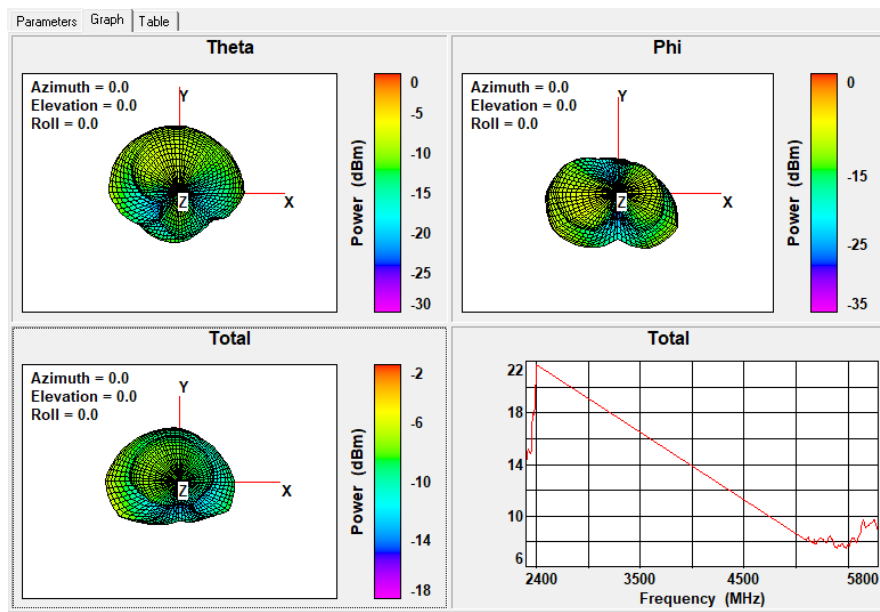


WIFI2.4G 2450MHz:

22#

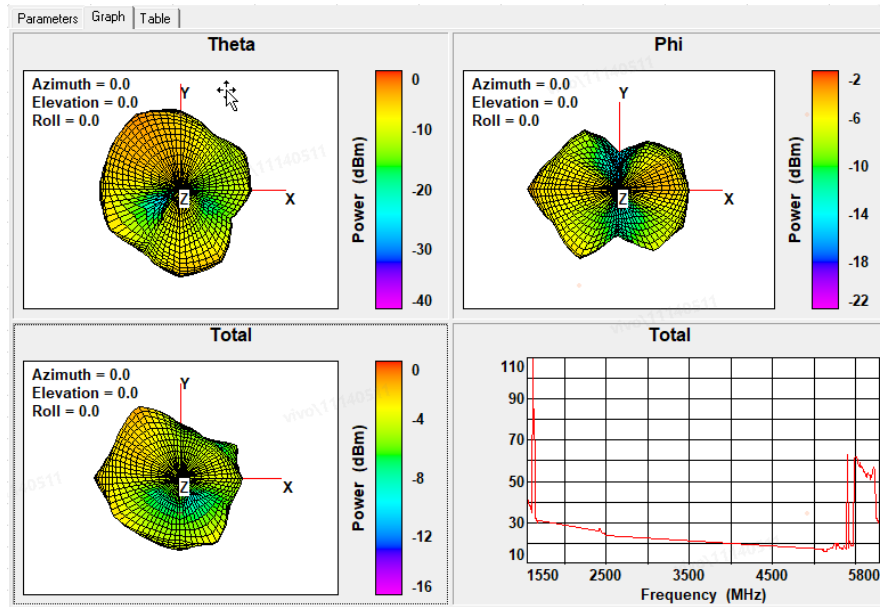


25#

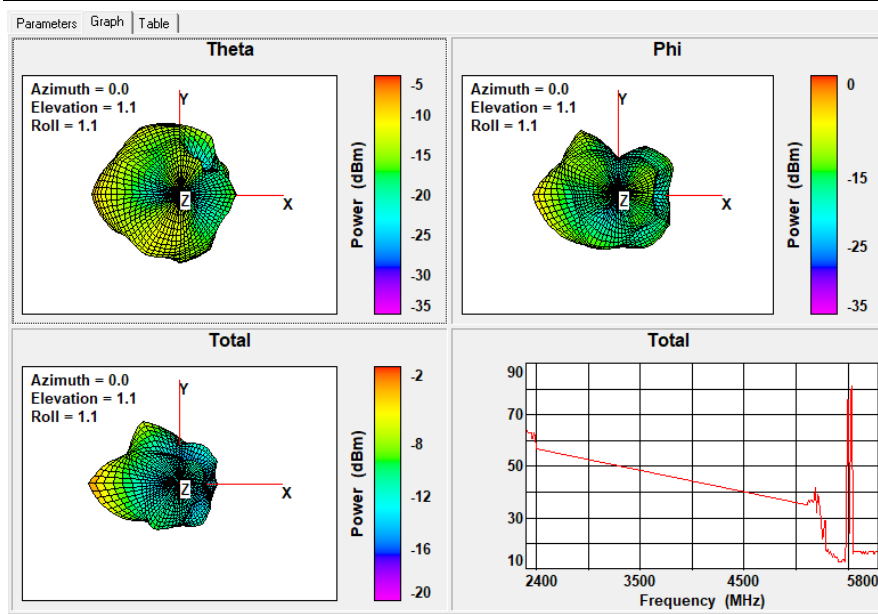


WiFi5.8G 5750MHz:

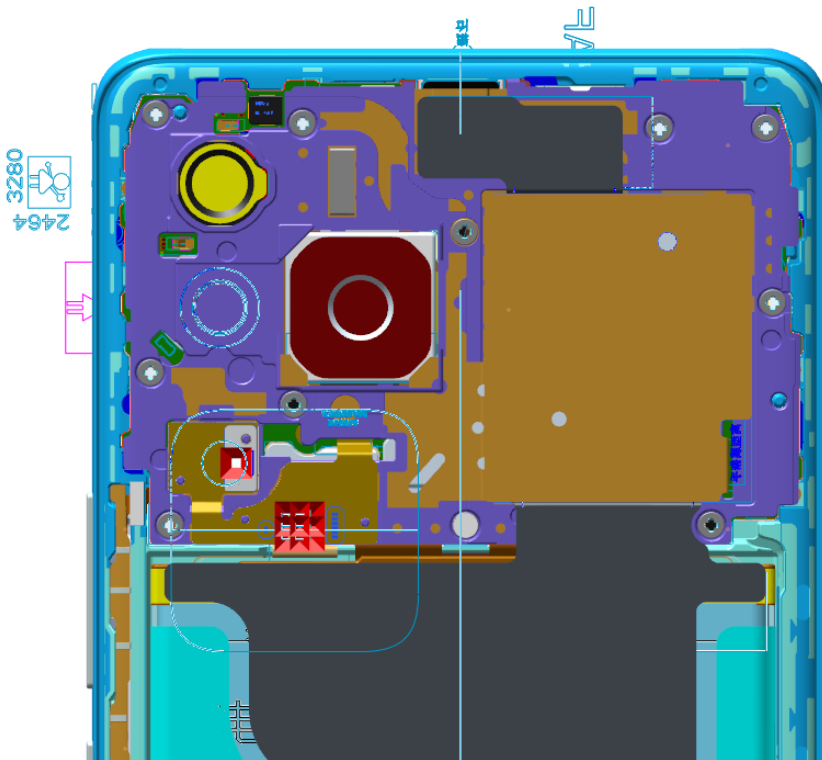
22#



25#



## 2、NFC antenna



2.1 Antenna Type: Loop antenna

2.2 Antenna Dimension(mm): 31.3\*26.3\*0.21(L\*W\*H)

2.3 Manufacturer: KunShan INNOWAAVE Communication Technology Co.Ltd

2.4 Manufacturer P/N: ET3102